

# 11427

ORIGINAL

11427

<p>Form 504</p> <p>U. S. DEPARTMENT OF COMMERCE</p> <p>COAST AND GEODETIC SURVEY</p> <p><b>DESCRIPTIVE REPORT</b></p>	
<p>Type of Survey <u>Shoreline (Photogrammetric)</u></p>	
<p>Field No. <u>PH-87</u></p>	<p>Office No. <u>T-11427</u></p>
<p><b>LOCALITY</b></p> <p>State <u>Southeastern Alaska</u></p> <p>General locality <u>Sea Otter Sound</u></p> <p>Locality <u>Clump Island</u></p>	
<p><u>1953-1956</u></p> <p><b>CHIEF OF PARTY</b></p> <p>E. W. Richards, Chief of Field Party</p> <p>W. F. Deane, Baltimore District Officer</p>	
<p><b>LIBRARY &amp; ARCHIVES</b></p>	
<p>DATE _____</p>	

USCOMM-DC 5087

DESCRIPTIVE REPORT - DATA RECORD

T - 11427

Project No. (II): Ph-87

Quadrangle Name (IV):

Field Office (II): C&GS Ship HODGSON

Chief of Party: R. A. Earle - 1956  
E. W. Richards - 1957

Photogrammetric Office (III): Baltimore, Md.

Officer-in-Charge: William F. Deane

Instructions dated (II) (III):

Field: 23 Dec. 1954  
25 Jan. 1955  
21 Nov. 1956

Office: 7 Nov. 1955  
13 Nov. 1956  
23 Nov. 1956  
30 Oct. 1957

Copy filed in Division of  
Photogrammetry (IV)

Method of Compilation (III): Graphic

Manuscript Scale (III): 1:10,000

Stereoscopic Plotting Instrument Scale (III):

Scale Factor (III): 1.000

Date received in Washington Office (IV):

Date reported to Nautical Chart Branch (IV):

Applied to Chart No.

Date:

Date registered (IV):

Publication Scale (IV):

Publication date (IV):

Geographic Datum (III): N.A. 1927

Vertical Datum (III): MHW

Mean sea level except as follows:  
Elevations shown as (25) refer to mean high water  
Elevations shown as (5) refer to sounding datum  
i.e., mean low water or mean lower low water

Reference Station (III): TIP, 1904

Lat.: 55° 48' 49.457" (1529.6m) Long.: 133° 29' 13.406" (233.5m)

Adjusted  
~~Unadjusted~~

Plane Coordinates (IV):

State: Alaska

Zone: 8

Y=

X=

Roman numerals indicate whether the item is to be entered by (II) Field Party, (III) Photogrammetric Office,  
or (IV) Washington Office.

When entering names of personnel on this record give the surname and initials, not initials only.

DESCRIPTIVE REPORT - DATA RECORD

Field Inspection by (II): J. P. Randall, A. M. Legako, V. U. Tilley, Jr., M. D. Christenson, L. D. Thurman Date: 1956, field season.  
1957, field season.

NO REPORT FOUND FOR 1957 WORK

Planetable contouring by (II):

Date:

Completion Surveys by (II):

Date:

Mean High Water Location (III) (State date and method of location): 1953, 1955 dates of photography  
office interpretation verified by 1956 and 1957 field inspection.

Projection and Grids ruled by (IV):

A. Riley

Date: 12/1/55

Projection and Grids checked by (IV):

A. Riley

Date: 12/1/55

Control plotted by (III): F. M. Wisiecki  
J. E. Tolodziecki

Date: 1/20/56

Control checked by (III): A. Queen

Date: 1/24/56

Radial Plot ~~by (III):~~

~~by (III):~~

E. L. Williams

L. A. Senasack

Planimetry

Date: 3/21/56

3/14/57

Date: 1/14/57

Stereoscopic Instrument compilation (III):

Contours

Date:

Manuscript delineated by (III): J. Y. Council  
R. M. Whitson,  
J. Honick

Date: 11/25/57

Photogrammetric Office Review by (III): R. Glaser

Date: 11/26/57

Elevations on Manuscript  
checked by (II) (III):

Date:



## DESCRIPTIVE REPORT - DATA RECORD

Camera (kind or source) (III): **C&GS Nine-lens**

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Number	Date	Time	Scale	Stage of Tide
41486	8/22/53	1038	1:10,000	7.3' above MLLW
52033 thru 52035	8/22/55	0935	"	1.2' " "
52037B	"	0940	"	1.2' " "

## Tide (III)

From predicted tables

Reference Station: **Sitka**  
Subordinate Station: **Port Alice**  
Subordinate Station:

## Diurnal

Ratio of Ranges	Mean Range	<del>Spring</del> Range
	7.7	9.9
	8.7	10.8

Washington Office Review by (IV):

*Leo F. Beugnot, Atlantic Marine Center*Date: *March 1969*

Final Drafting by (IV):

Date:

Drafting verified for reproduction by (IV):

Date:

Proof Edit by (IV):

Date:

Land Area (Sq. Statute Miles) (III):

Shoreline (More than 200 meters to opposite shore) (III): **1 mi**Shoreline (Less than 200 meters to opposite shore) (III): **-**

Control Leveling - Miles (II):

Number of Triangulation Stations searched for (II): **3**Recovered: **2**Identified: **2**Number of BMs searched for (II): **None**

Recovered:

Identified:

Number of Recoverable Photo Stations established (III): **None**Number of Temporary Photo Hydro Stations established (III): **2**

Remarks:



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T-11427

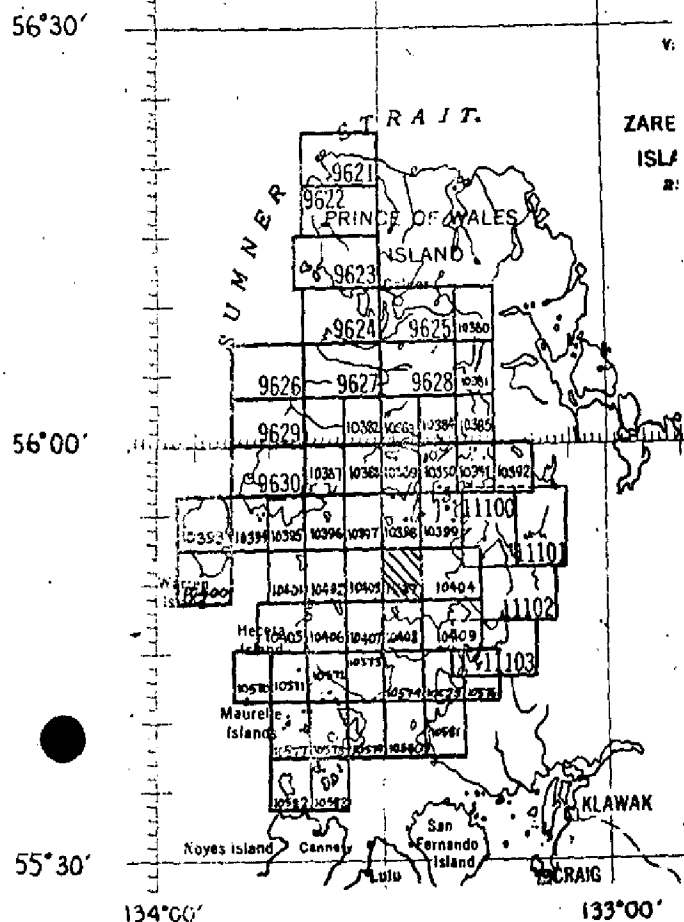
COMPILATION RECORD	COMPLETION DATE	REMARKS
COMPILED- "INCOMPLETE"	1957	Superseded
Compiled - "ADVANCE"	Nov. 1957	"
Final Review	Mar. 1969	



# SHORELINE MAPPING PROJECT PH- 87

Prince of Wales Island, Alaska

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## Project Ph-87 Official Mileage for Cost Accounts

Sheet No.	Area Sq. Mi.	Lin. Mi. Shoreline
9621	12	10
9622	16	11
9623	15	7
9624	17	12
9625	21	11
9626	4	3
9627	15	15
9628	14	2
9629	5	3
9630	7	3
11100	32	16
11101	9	8
11102	18	10
11103	16	15
10380	6	4
10381	5	10
10382	8	2
10383	6	8
10384	7	5
10385	4	6
10386	9	11
10387	6	7
10388	3	6
10389	7	12
10390	6	16
10391	4	12
10392	8	7
10393	12	10
10394	2	4
10395	5	8
10396	2	4
10397	1	1
10398	3	3
10399	4	11
10400	6	8
10401	1	2
10402	2	3
10403	3	6
10404	1	1
10405	5	10
10406	2	2
10407	8	1
10408	5	7
10409	10	10
10570	1	1
10571	1	1
10572	5	6
10573	8	2
10574	3	4
10575	2	1
10576	7	2
10577	1	1
10578	2	2
10579	1	6
10580	2	2
10581	12	9
10582	2	6
10583	2	5

TOTAL 412

378



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SUMMARY TO ACCOMPANY  
DESCRIPTIVE REPORT T-11427

Shoreline survey T-11427 is one of 58 similar surveys in project PH-87. It covers Clump Island and part of an island to the northwest of Camp Island. See page 5 of the Descriptive Report for position of the survey within the project.

This survey was originally compiled as a preliminary manuscript. After field identification of horizontal control in 1956 and field inspection in 1957 the manuscript ~~\*~~ See below was corrected and classified as advance.

Compilation was at 1:10,000 scale by graphic methods using the nine-lens photographs of August 1953 and August 1955. A cronaflex copy of the manuscript along with a blueline tracing, ozalids and specially prepared photographs were furnished for preparation of the boat sheet, location of photo-hydro signals and field edit use.

The manuscript was a vinylite sheet 3 3/4 minutes in latitude by 5 minutes in longitude which was smooth drafted and reproduced on cronaflex. One cronaflex positive and one negative are forwarded for record and registry.

~~\*~~ NO REPORT FOR THE 1957 WORK FOUND



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FIELD INSPECTION REPORT

FOR

NO REPORT AVAILABLE  
FOR 1957 FIELD WORK

DAVIDSON INLET, WHITE CLIFF PASSAGE,  
SEA OTTER SOUND, AND EL CAPITAN PASS

1956 FIELD SEASON

MANUSCRIPTS NO'D. 10397 - 10399; 11427  
- 10404; and 11100 (PART).

2. AREAL FIELD INSPECTION:

The area covered by this report lies along the northern part of Sea Otter Sound between the eastern shores of Davidson Inlet and the southern reaches of El Capitan Pass. It includes areas around White Cliff Passage, Cyprus Cove, etc..

There are no habitations within this area.

Densities and tones were not inspected on the land. In the water areas; shoals and kelp which were discernable, were noted on the photographs or boat sheets.

Photographic coverage was poor over large areas due to the elongated shadows and the varying densities of the photographic prints.

3. HORIZONTAL CONTROL:

White Cliff Passage and Hoot Island Rock navigational lights were located by triangulation. Hoot Island Light was also identified on the photographs.

4 & 5. Inapplicable.

6. WOODLAND COVER:

All land areas, with the exception of small logged off areas and muskeg, are covered with dense coniferous trees.

7. SHORELINE AND ALONGSHORE FEATURES:

(a). The shoreline was inspected from the beach at all photo-hydro stations and from the boat at all other locations.



- (b). The low water line corresponds with the offshore edge of the light color tone on alongshore and offshore shoal features.
- (c). The foreshore consists of rock and boulders with a few areas of sand and gravel at the head of bights.
- (d). No bluffs or cliffs are noteworthy other than White Cliff which is already noted on Chart 8171. All bluffs though unimportant to navigation have been noted on either manuscripts or photographs.

8. OFFSHORE FEATURES:

All apparent offshore features were visited and where it was possible landings were made. All visible rocks and shoals were defined on the field photographs and the heights or depths, times and dates pertaining to each feature were noted. All heights were estimated and all depths were measured.

All rocks not visible on the photographs were located by the hydrographer. All objects which were erroneously identified by the compiler were noted on the photographs and or on the manuscripts.

9. LANDMARKS AND AIDS:

The two fixed aids to navigation, which were located by triangulation are:

- 1. White Cliff Passage Light
- 2. Hoot Island Rock Light

10. INAPPLICABLE.

11. OTHER CONTROL:

Following this paragraph is the list of photo-hydro signals. The method used for their location is also given. The information necessary for the location of the signals is given on the back of the field photographs. Certain specified signals, on Manuscripts T-10399 and T-11100, must be replotted using photographs with centers that fall over the area. These

photographs were not available, thus it was necessary to locate these few signals by radial plot from distant photographs.

PHOTO HYDRO SIGNALS BY MANUSCRIPTS

NAME	METHOD LOCATED	NO. PHOTO	MANUSCRIPT NO.
AMY	Direct	41484	T-10397
ANT	"	"	"
BUS	"	"	"
CAR	"	"	"
DIX	Angle & Dist.	"	"
EMO	Direct	"	"
FRY	"	"	"
HOE	Angle & Dist.	"	"
RUT	Direct	"	"
AHA	"	41519	T-10398
ALP	"	41520	"
ANN	Angle & Dist.	41487	"
AXE	Direct	41519	"
BAT	"	41488	"
BOX	"	"	"
BUM	"	41519	"
CRY	"	41488	"
CUR	"	41484	"
DIM	Angle & Dist.	41488	"
DON	Direct	41519	"
DOT	"	41488	"
ELM	"	"	"
ERA	Angle & Dist.	41519	"
FIL	Direct	41488	"
FAT	"	41519	"
FIX	"	"	"
FLY	Angle & Dist.	41488	"
FUN	Direct	41519	"
GAD	"	41484	"
GIG	"	41488	"
GOT	"	41519	"
GUS	"	41487	"
HAT	Angle & Dist.	41484	"
HIS	Direct	41519	"
HUB	"	41487	"
ICE	Angle & Dist.	"	"
ITS	Direct	"	"
JAR	"	41520	"
JAW	Angle & Dist.	41519	"
JIB	Direct	41488	"
JIM	"	41487	"
JOB	"	41488	"
KED	"	41488	"
LET	"	41487	"
LIP	"	41519	"
LOG	"	41488	"
LOW	"	"	"



NAME	METHOD LOCATED	NO. PHOTO	MANUSCRIPT NO.
LOU	Direct	41519	T-10398
MAW	"	"	"
MOP	"	41487	"
NUM	Angle & Dist.	"	"
NEO	Direct	41519	"
NEW	"	41520	"
NIX	Angle & Dist.	41487	"
NOW	Angle & Dist.	41488	"
OBI	"	41520	"
ODD	Direct	41487	"
OHM	Angle & Dist.	41519	"
PIT	Direct	"	"
RHO	Angle & Dist.	41488	"
RIM	Direct	41519	"
RUB	"	"	"
SAM	"	"	"
SET	"	"	"
SOW	"	"	"
THY	"	"	"
THE	Angle & Dist.	"	"
WAG	" " "	41518	"
WAR	" " "	41484	"
WAX	Direct	41518	"
WHO	"	41519	"
YAK	Angle & Dist.	41518	"
ZAM	Direct	"	"
ABE	Angle & Dist.	41520	T-10399
ACT	Direct	"	"
ART	"	52147	"
BAH	"	52164	"
BED	"	41520	"
BIB	"	"	"
BIG	Angle & Dist.	52146	"
BOB	Direct	"	"
CAT	"	41520	"
COP	"	52164	"
CUE	"	41519	"
DAW	"	52146	"
DAY	"	41520	"
DEB	Angle & Dist.	"	"
EST	" " "	"	"
FEN	" " "	"	"
GAL	Direct	"	"
GEE	"	"	"
GEL	"	52146	"
HAL	"	41519	"
HAW	"	41520	"
HID	"	41521	"
IDA	"	"	"
JOE	Angle & Dist.	"	"
KID	" " "	52147	"
KIM	" " "	41520	"

NAME	METHOD LOCATED	NO. PHOTO	MANUSCRIPT NO.
LAD	Direct	41520	T-10399
LEG	"	52146	"
MAR	"	"	"
NED	"	52147	"
OWL	Angle & Dist.	"	"
REV	Direct	41521	"
SEW	"	52164	"
SLO	Angle & Dist.	52164	"
TEA	Direct	41519	"
WEN	"	41519	"
WOE	"	41520	"
ACE	"	52165	T-10404
ADO	"	52164	"
BAG	"	52078	"
BOA	"	"	"
CON	"	"	"
DIP	"	52165	"
EBB	Angle & Dist.	"	"
FEZ	Direct	52078	"
HUM	"	"	"
JAY	"	52165	"
JUT	"	52078	"
KEN	"	52165	"
LAX	"	"	"
MAL	"	"	"
NUT	Angle & Dist.	"	"
OIL	Direct	"	"
PAD	"	"	"
QUO	"	"	"
ROT	"	"	"
SIC	"	"	"
TAX	"	"	"
VIA	Angle & Dist.	"	"
WAS	Direct	"	"
YAK	Angle & Dist.	52164	"
ZOO	"	"	"
CAB	" " "	52147	T-11100-A
DIF	Direct	"	"
EAR	"	52164	"
EGG	"	52147	"
FAR	"	52164	"
FIT	"	"	"
GEM	"	52147	"
HER	"	"	"
JOY	"	"	"
BON	"	52035	T-11127
CLU	Angle & Dist.	"	"

12. INAPPLICABLE.

13. GEOGRAPHIC NAMES:

A special report on Geographic Names will be forwarded.

14. SPECIAL REPORTS AND SUPPLEMENTAL DATA:

Forwarded to the Director:

- (1). Control Station Identification Cards forwarded 16 October via transmitting letter HDG-56-13.
- (2). Nine Lens Office Photographs forwarded 16 October via transmitting letter HDG-56-13.
- (3). Nine Lens Field Photographs forwarded 22 October via transmitting letter HDG-56-14.
- (4). Blue-line Tracings and Blackline Impressions forwarded via transmitting letter HDG-56-14.
- (5). Tidal Data.

15. NOTES TO THE COMPILER:

The shoreline as shown on these manuscripts was quite accurate except in the large and numerous shadowed areas. All shadowed shoreline was cut in by planetable or sextant angles and located on the photographs or manuscripts.

Numerous rocks must be inserted and a few deleted from the manuscripts. These were located on photographs and boat sheets.

No important jumps were noted in the sounding lines.

Approved and forwarded:

*Robert A. Earle*  
Robert A. Earle,  
CDR, USC&GS  
Comdg., Ship RODGSON

Respectfully submitted,

*James P. Randall*  
James P. Randall,  
Lt.(jg), USC&GS



## PHOTOGRAMMETRIC PLOT REPORT

Project 27070 (6087)  
 Surveys T-10402 thru T-10409 & T-11427

21. AREA COVERED

This radial plot covers the area of surveys T-10402 thru T-10409 and the southwest corner of T-11427. They are shoreline surveys along north shore of Heceta Island near Prince of Wales Island, Alaska, from Tuxekan Island to Cape Lynch.

\* Refer to page 18-A for plot report for remainder of map.

22. METHOD - RADIAL PLOT

## Map Manuscripts:

Vinylite sheets with polyconic projections in black and U.T.M. Alaska, Zone 8 grids in red, at a scale of 1:10,000 were furnished by the Washington Office.

All control stations and some substitute stations were plotted using the meter bar and beam compass, the remaining substitute stations were plotted graphically.

Base sheets were prepared in this office.

A sketch, showing the layout of surveys and distribution of control and photograph centers, and a list of unidentified stations which are numbered on the sketch, are attached to this report.

## Photographs:

There were forty-nine (49) nine-lens unmounted photographs, at a scale of 1:10,000 used in this plot. The photographs are numbered as follows:

41320 thru 41325  
 41691 and 41692  
 41713 and 41714  
 41728 and 41729

51994 thru 52006  
 52029 thru 52035  
 52037B thru 52041  
 52073 thru 52079  
 52165 thru 52169

## Templets:

Vinylite templets were made for all photographs using a master templet to correct for errors due to paper distortion and chamber displacement.

## Closure and Adjustment to Control:

This radial plot is an extension of the supplementary plot for Surveys T-10397 thru T-10399 (See Descriptive Report for surveys No. T-10382 thru T-10384). The radial plot was constructed starting from T-10404 and running southward to T-10409, tying into control identified in the field in 1952. The plot was then bridged westward across Heceta Island, to survey T-10405 and to the pass points previously established



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on survey T-10401. Eight (8) of the thirty-eight (38) field identified control stations could not be held, but a satisfactory plot was obtained.

Transfer of Points:

Each map manuscript was placed over the finished plot and oriented holding common grids and all pass points and photograph centers were pricked on the map manuscript.

23. ADEQUACY OF CONTROL

There was adequate control to obtain a satisfactory radial plot.

The following stations could not be held in the plot.

LIME, 1952 - The radially position falls approximately 10 meters to the SSW of the plotted position. This station falls outside of the delineation area. The error is probably due to difficulty of transfer to new photography. Since there were sufficient other stations to control the plot, no further investigation was made.

QUINCE, 1914 - The radially plotted position falls approximately 27 meters to the SE of the plotted position. This is believed to be misidentified in the field. The point which is identified can not be seen from NUT, 1914 and ANON, 1914, to the southwest.

HEN, 1904 - The radially plotted position for the Sub. Pt. falls 196 meters to the east of the plotted position. This was misidentified in the field on another reef. It was not re-identified in the office.

ODON, 1904 - The radially plotted position falls 6 meters to the west of the plotted position. This station was misidentified in the field. It could not be re-identified accurately in the office.

NAPUL, 1914 - This station was not held in the radial plot but due to lack of a sketch re-identification could not be made. It is probably misidentified on another boulder. This station is outside of the project limits and there is sufficient other control for a satisfactory plot.

PINE, 1903 - The radially plotted position falls approximately 980 meters (0.6 mile) south of the plotted position. The sketch did not agree with the area at the true position and no attempt was made in this office to try to re-identify it.

LEAN, 1903 - The geographic position for this station plots in deep water on chart 8171. No rocks or other detail show on the photographs in this area. It is assumed that the published position might be incorrect. The position is unchecked.

SOUTH POINT, LOW BLACK POINT, 1903 - The geographic position for this station plots in deep water on Chart 8171. No rocks or other detail show on the photographs in this area. It is assumed that the published position might be incorrect. The position is unchecked.

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BAY, 1903 - The radially plotted position for Sub. Pt. No. 1 falls 13 meters to the south southwest of the plotted position. The radially plotted position of Sub. Pt. No. 2 falls 47 meters to south of the plotted position. These are believed to be misidentified in the field. The Sub. Pts. are potholes in an area where they are numerous. It was not possible to re-identify the correct image points.

WHITE CLIFF, 1907-22 - This station is believed to be misidentified in the field. Since this station is far outside of the project limits; stations MIKE, 1907 and EMERALD, 1907-22, which are closer to the project were held.

More time was consumed in identifying the control in this plot than in a normal plot. The greatest amount of time was used in trying to prick on the office photographs points identified on the field photographs that did not agree for various reasons such as, with the information on the identification cards and/or Form 526. The following is a list of some of the stations where a great deal of time was consumed:

MIKE, 1907  
SILLA, 1914  
OWL, 1904  
COON, 1904  
LIME, 1952

SWIFT, 1914  
MARS, 1914  
HEN, 1904  
GRASS, 1903  
BAY, 1903  
WHITE CLIFF, 1907-22

24. SUPPLEMENTAL DATA

None.

25. PHOTOGRAPHY

The photograph definition and photograph coverage for this plot was good. It was noted, however, when making templates that some difficulty was encountered in trying to adjust the template to the fiducial marks on the photographs in the center chambers. A study was made of this 1955 copy but there seemed to be no apparent answer for this trouble.

Respectfully submitted  
14 March 1957

Leroy A. Senasack  
Carto. Photo. Aid



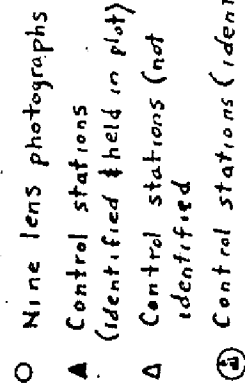
LIST OF CONTROL NOT IDENTIFIED

Project 27070 (6087)

Surveys - T-10402 thru 10409 & T-11427

1. SOUTH POINT, LOW BLACK POINT, 1903
2. OTTER, 1903
3. COVE MOUNTAIN, 1903
4. CLIFF, 1903
5. FOW, 1903
6. SPRAY, 1903
7. FOAM, 1903
8. LEAN, 1903
9. CORN, 1903
10. FLAT, 1904
11. FLY, 1904
12. MANO, 1914
13. WAR, 1914
14. NUT, 1914
15. MAST, 1914
16. ANON, 1914
17. SURP, 1914
18. EATO, 1904
19. DENT, 1914
20. LOG POINT, 1904
21. HOPE, 1904
22. TRIM, 1904-14
23. COB, 1904 - 14
24. VEX, 1904
25. CHOP, 1904
26. LEDGE, 1904-14
27. AID, 1904
28. BARN, 1904
29. DEAD, 1904 (Reported lost 1956)
30. FUP, 1904
31. BOLD, 1904
32. SAW, 1904
33. PEEP, 1904

SURVEYS: T-10402 thru T-10409 and T-11427



SUPPLEMENTARY PHOTOGRAMMETRIC PLOT REPORT

PROJECT 27070

Surveys T-10397 thru T-10399

T-10404 & T-11427

*NO SKETCH FOUND FOR  
THIS REPORT.*

This plot covers the east part of Davidson Inlet and parts of Sea Otter Sound and El Capitan Passage.

This plot was made to verify the Preliminary Radial plot.

The area between FOX, 1903 and CLUMP, 1904 moved between 0.6 and 0.7 mm to the southwest. The area between PIN, 1904 and EAST, 1922 moved between 0.5 and 0.6 mm to the southeast.

Two field identified control stations could not be held in this plot. The radial plotted position for MID, 1904-22 (T-10399) falls 4.7 meters to the southwest. The radial plotted position for ROCK, 1922 (T-10399) falls 3.0 meters to the northeast. Both of these stations were identified direct in the field. No reason for this was discovered in this office due to lack of sufficient field information; so it was assumed they were misidentified.

Station FOX, 1904 caused considerable trouble. When the identification card was received from the field, the angle to the substitute point was missing. Following correspondence with the Seattle office, the information was finally located in geodetic records in the Washington office. When an attempt to hold the position of Sub. Pt. FOX, 1904 failed, a stereoscopic examination showed that the station was misidentified. The sub. pt., described as the highest point on the island, was identified on field photograph 41484 on a low rocky point. Using the description of the station and all available data on identification card and recovery note, it was decided that the original identification of the station used in the preliminary radial plot should be used. The station was held, and resulted in a good rigid plot with two other field identified stations: NEST, 1904 and SHELL, 1904.

Respectfully submitted  
14 January 1957

*Leroy A. Senasack*

Leroy A. Senasack  
Carto. Photo. Aid





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- 2 -

COMPILATION REPORT  
T-11427

Field Inspection Reports:

1. ~~A Reports for 1956 season are parts of the combined Descriptive report for surveys T-10397 - T-10398, and Descriptive Report for survey T-10403.~~ <sup>is a</sup> <sup>this</sup>
2. ~~Report for the 1957 season is part of the Descriptive Report for survey T-10403.~~

Photogrammetric Plot Reports:

- INCLUDED WITH THIS REPORT*
1. ~~Photogrammetric Plot Report for the northern area of this survey is part of the Descriptive Report for surveys T-10382 through T-10384.~~
  2. ~~Photogrammetric Plot Report for the southern area is part of the Descriptive Report for survey T-10403.~~

31. DELINEATION

This manuscript was delineated by graphic methods.

32. CONTROL

Refer to the Photogrammetric Plot Reports.

It appears that station CLUMP, 1904 which was reported lost in 1956, was used in 1957 for sextant fixes in the area of survey T-10403. No information was available other than the 1956 Form 526.

33. SUPPLEMENTAL DATA

Copies of the following boat sheets were available for purposes of comparison:

H-8288 (HO 1356 and HO-1356A)  
H-8393 (HO 1557)

34. CONTOURS AND DRAINAGE

Contours: Inapplicable.  
Drainage: No comment.

35. SHORELINE AND ALONGSHORE DETAILS

Refer to item 35 of the Descriptive Report for surveys T-10397 - T-10398, and Descriptive Report for survey T-10408.

36. OFFSHORE DETAILS

Refer to item 8 of the 1956 field report. The foul and kelp lines have been revised to show the delineation furnished by the field party.



37. LANDMARKS AND AIDS

None.

38. CONTROL FOR FUTURE SURVEYS

Refer to item 11 of the 1956 field report.

The two photo-hydro signals, BON and CLU, in the northern area of this manuscript, were relocated due to changes in the radial plot.

39. JUNCTIONS

Junctions with adjacent surveys in this project have been made.

40. HORIZONTAL AND VERTICAL ACCURACY

Refer to the Photogrammetric Plot Reports.

41. - 45

Inapplicable.

46. COMPARISON WITH EXISTING MAPS

Comparison was made with USGS CRAIG (D-5) quadrangle, scale 1:63,360, edition of 1951.

47. COMPARISON WITH CHARTS

Comparison was made with Chart 8171, scale 1:40,000, published 1/1956.

Items to be applied to nautical charts immediately: None.

Items to be carried forward: None.

Approved and forwarded

*William F. Deane*  
William F. Deane,

CDR C&GS

Baltimore District Officer

Respectfully submitted  
25 November 1957

*Joseph W. Vonasek*  
Joseph W. Vonasek  
Carto. (Photo.)

## GEOGRAPHIC NAMES

## FINAL NAME SHEET


Ph-87 (Sea Otter Sound, Alaska)

T-11427

Clump Island

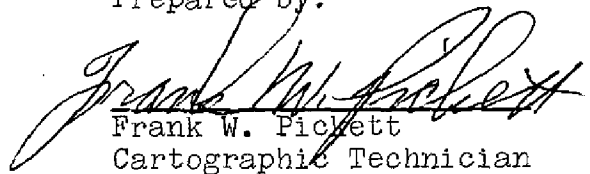
Sea Otter Sound

Approved by:



A. Joseph Wraight  
Chief Geographer

Prepared by:



Frank W. Pickett  
Cartographic Technician



## PHOTOGRAMMETRIC OFFICE REVIEW

T-11427

1. Projection and grids ☒ 2. Title ☒ 3. Manuscript numbers ☒ 4. Manuscript size ☒

## CONTROL STATIONS

4a. Classification label ☒

5. Horizontal control stations of third-order or higher accuracy ☒ 6. Recoverable horizontal stations of less than third-order accuracy (topographic stations) ☒ 7. Photo hydro stations ☒ 8. Bench marks ☒  
9. Plotting of sextant fixes ☒ 10. Photogrammetric plot report ☒ 11. Detail points ☒

## ALONGSHORE AREAS

(Nautical Chart Data)

12. Shoreline ☒ 13. Low-water line ☒ 14. Rocks, shoals, etc. ☒ 15. Bridges ☒ 16. Aids to navigation ☒ 17. Landmarks ☒ 18. Other alongshore physical features ☒ 19. Other along-shore cultural features ☒

## PHYSICAL FEATURES

20. Water features ☒ 21. Natural ground cover ☒ 22. Planetable contours ☒ 23. Stereoscopic instrument contours ☒ 24. Contours in general ☒ 25. Spot elevations ☒ 26. Other physical features ☒

## CULTURAL FEATURES

27. Roads ☒ 28. Buildings ☒ 29. Railroads ☒ 30. Other cultural features ☒

## BOUNDARIES

31. Boundary lines ☒ 32. Public land lines ☒

## MISCELLANEOUS

33. Geographic names ☒ 34. Junctions ☒ 35. Legibility of the manuscript ☒ 36. Discrepancy overlay ☒ 37. Descriptive Report ☒ 38. Field inspection photographs ☒ 39. Forms ☒

40. R. Glaser Joseph Steinberg  
Reviewer Supervisor, Review Section of Unit

41. Remarks (see attached sheet)

## FIELD COMPLETION ADDITIONS AND CORRECTIONS TO THE MANUSCRIPT

42. Additions and corrections furnished by the field completion survey have been applied to the manuscript. The manuscript is now complete except as noted under item 43.

\_\_\_\_\_  
Compiler

\_\_\_\_\_  
Supervisor

43. Remarks:

REVIEW REPORT T-11427  
SHORELINE  
MARCH 20, 1969

61. GENERAL STATEMENT:

See Summary which is page 6 of the Descriptive Report.

There is no field edit report or field edit sheet for this survey. The survey, originally compiled as a preliminary manuscript, was corrected after identification of horizontal control and field inspection and classified as advance.

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS:

Comparison was made with copies of registered surveys T-2691 and T-2692 both 1:20,000 scale surveys made in 1904. The passage of time has made these surveys obsolete, they are superseded by T-11427 for nautical chart construction purposes.

63. COMPARISON WITH MAPS OF OTHER AGENCIES:

Comparison was made with USGS CRAIG (D-5), ALASKA, 15x20 minute quadrangle, 1:63,360 scale, editions of 1951. The two surveys are in good general agreement.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS:

Comparison was made with copies <sup>of</sup> reviewed survey H-8288 and unreviewed survey H-8393. There ~~are~~ discrepancies between the shorelines of these two surveys and T-11427.

Two rocks located at latitude 55° 51' 40" longitude 133° 28' 57" and 55° 51' 09" - 133° 29' 02" are not visible on the photographs of the area. These have been noted on the comparison print in purple.

65. COMPARISON WITH NAUTICAL CHARTS:

Comparison was made with chart 8171, 8th edition, June 10, 1968. The shoreline of the chart is in good agreement with that of T-11427. Several reefs in the vicinity of Clump Island are represented with the rock awash symbol on the chart. These have been indicated on comparison print in red.



66. ADEQUACY OF RESULTS AND FUTURE SURVEYS:

This survey complies with instructions and meets the National Standards of Map Accuracy.

Field photographs 52033, 52035 and office photographs 41485 and 52033 thru 52035 were used during final review of the survey.

Approved by:

Reviewed by:

*For All Stark*  
Allen L. Powell, RADM, USESSA  
Director, Atlantic Marine Center

*Leo F. Beugnet*  
Leo F. Beugnet

Approved by:

*Charles Hanner*  
Chief, Photogrammetric Branch, *NO*

*RH Houtler*  
Chief, Photogrammetry Division

Chief, Nautical Chart Division

SHELL 1904  
Foul

Kelp

Foul  
Kelp

41485

55° 52' 00"

shown as rocks on chart

Kelp  
(5)  
(3)

not visible on photographs

BON  
(4)  
(3)  
(2)  
\*(2)

shown as one rock on chart

CLU  
CLUMP ISLAND  
Sub Pt CLU  
Anash  
MLLW

not on chart

55° 51' 30"

133° 29' 30"

133° 28' 30"

T-11421